

Claims

[c1] What is claimed is:

1. A method for controlling a computing device with an security device wherein a first identification information is stored in said computing device and a second identification information is stored in said security device, said computing device further comprising a BIOS program and an operation system program, said method comprising the steps of:

executing said BIOS program of said computer system;

fetching said first identification information and said second identification information;

comparing said first identification information with said second identification information; and

executing said operation system program if said second identification information matches said first identification information.

[c2] 2. The method of claim 1 in which said second identification information does not match said first identification information, further comprising the step of turning off said computing device.

[c3] 3. The method of claim 1 in which said second identifi-

cation information does not match said first identification information, further comprising the steps of:
querying whether to turn off said computing device or to fetch said second identification information again;
fetching said second identification information from said security device; and
comparing said second identification information with said first identification information.

[c4] 4. The method of claim 1 in which said second identification information matches said first identification information, further comprising the steps of:
querying whether to update said first identification information; and
updating said first identification information.

[c5] 5. The method of claim 4 in which said querying whether to update said first identification information step is performed before executing said operation system program.

[c6] 6. The method of claim 5 in which said first identification information comprises primary first identification information and secondary first identification information, further comprising the steps of:
determining whether said second identification information matches said primary first identification information

before querying whether to update said first identification information,
wherein said computing device queries whether to update said first identification information when said second identification information matches said primary first identification information, and said computing device executes said operation system program directly when said second identification information matches said secondary first identification information.

[c7] 7. The method of claim 4 in which said querying whether to update said first identification information step is performed after executing said operation system program.

[c8] 8. The method of claim 7 in which said first identification information comprises primary first identification information and secondary first identification information, further comprising the step of:
determining whether said second identification information matches said primary first identification information before querying whether to update said first identification information,
wherein said computing device queries whether to update said first identification information when said second identification information matches said primary first identification information, and said computing device

skips said querying whether to update said first identification information step when said second identification information matches said secondary first identification information.

[c9] 9. The method of claim 7 in which said first identification information comprises primary first identification information and secondary first identification information, further comprising the steps of:

determining whether said second identification information matches said primary first identification information after querying whether to update said first identification information,

wherein said computing device updates said first identification information when said second identification information matches said primary first identification information, and said computing forbids updating said first identification information when said second identification information matches said secondary first identification information.

[c10] 10. A computing system comprising:
a security device having a second identification information stored therein; and
a computing device having a first identification information, a BIOS program and an operation system program stored therein, said computing device executing said

BIOS program, fetching said second identification information from said security device, and comparing said first identification information with said second identification information; said computing device further executing said operation system program if said second identification information matches said first identification information.

[c11] 11. The computing system of claim 10, wherein if said second identification information does not match said first identification information, said BIOS program controls said computing device to turn off.

[c12] 12. The computing system of claim 10, wherein if said second identification information does not match said first identification information, said BIOS program further controls said computing device to query whether to turn off said computing device or to fetch said second identification information again; and wherein if said BIOS program is instructed to fetch said second identification information again, said computing device further fetches said second identification information from said security device and compares said second identification information with said first identification information.

[c13] 13. The computing system of claim 10, wherein if said second identification information matches said first

identification information, said computing device queries whether to update said first identification information or not, and said computing device updates said first identification information if said computing device is instructed to update said first identification information.

[c14] 14. The computing system of claim 13, wherein said computing device queries whether to update said first identification information before executing said operation system program.

[c15] 15. The computing system of claim 14 in which said first identification information comprises primary first identification information and secondary first identification information, wherein said computing device further determines whether said second identification information matches said primary first identification information before querying whether to update said first identification information; and wherein if said second identification information matches said primary first identification information, said computing device queries whether to update said first identification.

[c16] 16. The computing system of claim 13, wherein said computing device queries whether to update said first identification information after executing said operation system program.

[c17] 17. The computing system of claim 16 in which said first identification information comprises primary first identification information and secondary first identification information, wherein said computing device further determines whether said second identification information matches said primary first identification information before querying whether to update said first identification information; and wherein if said second identification information matches said primary first identification information, said computing device queries whether to update said first identification information ; and wherein if said second identification information matches said secondary first identification information, said computing device skips said querying whether to update said first identification information step.

[c18] 18. The computing system of claim 16 in which said first identification information comprises primary first identification information and secondary first identification information, wherein said computing device further determines whether said second identification information matches said primary first identification information after being instructed to update said first identification information; wherein if said second identification information matches said primary first identification information, said computing device updates said first identification

information; and wherein if said second identification information matches said secondary first identification information, said computing device forbids updating said first identification information.

[c19] 19. A computing system comprising:
an administrator security device having a primary second identification information stored therein;
a computing device having a plurality of first identification information, a BIOS program and an operation system program stored therein, wherein said plurality of first identification information comprises a primary first identification information and a secondary first identification information, said computing device executing said BIOS program, fetching said primary second identification information from said administrator security device, comparing said primary second identification information with said plurality of first identification information, and determining that said primary second identification information matches said primary first identification information, and querying whether to update said first identification information or not; and
a user security device having a secondary second identification information stored therein,
wherein if said computing device is instructed to update said first identification information, said computing de-

vice fetches said secondary second identification information from said user security device and updates said first identification information to match said secondary second identification information.

[c20] 20. The computing system of claim 19, wherein said computing device updates said primary first identification information to match said secondary second identification information.

[c21] 21. The computing system of claim 19, wherein said computing device updates said secondary first identification information to match said secondary second identification information.

[c22] 22. The computing system of claim 19, wherein updating said first identification information is executed by said BIOS program.

[c23] 23. The computing system of claim 19, wherein updating said first identification information is executed by said operation system program.